In 8 final Bill

CE|RWD|NO NO|307|13-14

Code: 017-14-000033

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365916

Reference to last Measurement 8

Name of Work ..... Construction of R.C.C. Drain @ 4th cross of metty drainage in road 00-17

From ..... To .....

Name of Contractor of nature of Agency ..... Sri. G. Raju.

Date of commencement of work .... pre measurements recorded on Dt. 06/05/2014

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Earth work excavation for foundation in hard soil for R.C.C Drain.						
Load - ①						
Road - ② C4Fc	1	29.60	1.10	0.90	29.30 m³	
11th cl Road s/side	1	30.00	1.10	0.90	29.70 m	
	1	7.15	1.10	0.90	7.08 m	
	1 a 2	30.00	1.10	0.90	59.40 m	
11th cl Road N/side.	1	2.00	1.10	0.90	1.98 m	
	1	30.00	1.10	0.90	29.70 m	
	1	6.10	1.10	0.90	6.04 m	
Temple Road.	1 a 2	30.00	1.10	0.90	59.40 m	
	1	22.30	1.10	0.90	22.08 m	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to la Measur
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Temple load	1	21.50	1.10	0.90	21.29	
	cl load - (b)	1	26.40	1.60	0.90	26.14	
	C&FC	1	4.95	1.10	0.50	4.90	
						297.00 m³	
	Pre measurements recorded on Dt: 17/05/2014						
(2)	Providing and laying PCC M7.5 (PCC 1:4:8) for bed	1	29.60	1.10	0.15	4.88 m³	
		1	30.00	1.10	0.15	4.95	
	C&FC	1	7.15	1.10	0.15	1.18	
		1	30.00	1.10	0.15	9.90	
		1	2.00	1.10	0.15	0.33	
		1	30.00	1.10	0.15	4.95	
		1	6.10	1.10	0.15	1.01	

M. A. R. 57 (Rule 116)

Measurement Book

No. B

365917

Reference to last Measurement 8

Name of Work .....

Name of Contractor of nature of Agency ..... From..... To.....

Date of commencement of work .....

No.	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1 × 2	30.00	1.10	0.15	9.90 cum	
		1 × 1	22.30	1.10	0.15	3.68 m	
		1 × 1	21.50	1.10	0.15	3.55 m	
		1 × 1	26.40	1.10	0.15	4.36 m	
		1 × 1	4.95	1.10	0.15	0.81 m	
	Premeasurements recorded on 5/9: 25/05/2014					24.50 cum	17/05
	2 Providing and laying RCC M20 (1:1:2:3) for bed	1 × 1	29.60	0.90	0.15	3.99 m³	
		1 × 1	30.00	0.90	0.15	4.05 m	
		1 × 1	7.15	0.90	0.15	0.96 m	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	2.00	30.00	0.90	0.15	8.10 m³
		1	2	2.00	0.90	0.15	0.27 m
		1	2	30.00	0.90	0.15	4.05 m
		1	2	6.10	0.90	0.15	0.82 m
	CAFC	1	2	30.00	0.90	0.15	8.10 m
		1	2	22.30	0.90	0.15	3.01 m
		1	1	21.50	0.90	0.15	2.90 m
		1	1	26.40	0.90	0.15	3.56 m
		1	1	4.95	0.90	0.15	0.67 m
	for sidewalk :	1	2	29.60	0.15	0.60	5.33 m
		1	2	30.00	0.15	0.60	5.40
		1	2	7.15	0.15	0.60	1.29

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365918

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
C4fc	2 x 2	30.00	0.15	0.60	10.80 cum	
	1 x 2	2.00	0.15	0.60	0.36 m	
	1 x 2	30.00	0.15	0.60	5.40 m	
	1 x 2	6.00	0.15	0.60	1.09 m	
	2 x 2	30.00	0.15	0.60	10.80 m	
	1 x 2	22.30	0.15	0.60	4.01 m	
	1 x 2	21.50	0.15	0.60	3.87	
	1 x 2	26.40	0.15	0.60	4.75 m	
	1 x 2	4.95	0.15	0.60	0.89	
					94.47 m3	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CRC	1 x 4	22.30	–	0.60	53.52 m²	
		1 x 4	21.50	–	0.60	51.60 m²	
		1 x 4	28.40	–	0.60	63.36 m²	
		1 x 4	4.95	–	0.60	11.88	
						719.76 m²	

& 3 final Bill

CE/ERUD/No.NO/307/13-14

Code: 017-14-000033.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365920

Name of Work ..... Construction of Rcc drain at 11th cross of mettu dasarapalya in ward no-17

From ..... To .....

Name of Contractor of nature of Agency ..... Sri. G. Vasu .....

Date of commencement of work ..... Date of Reedding: 31/05/2014 .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Earth work excavation for foundation of building water supply sanitary lines and electrical conduits either in pits in trenches 1.50 mt and above in width in hard soil not exceeding 1.50 mt in depth including dressing the bottom and sides of pits and trenches stacking the excavated soil clear from edges of excavation with lead upto 50 mt after breaking of clods complete as per specification						
alg same with Item no (1) of this on B side page					alg: 297.00 m3	NO: 365916/1
					Rs 239=00	Rs 70,983=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Loading and unloading of stone boulders/stone aggregate/sand/earth/moorum placing tipper determining for return trip excluding time for haulage and return trip complete as per specification alig Same as Item no (1) of this SR vide page no: 365920 alig: 297.00 m3 Rs 114.00 Rs 33,858.00						
(3)	Providing and laying in position PCC of mix one part of OPC cement @ 180 kg with 40 mm and down size graded granite metal coarse aggregate @ 0.85 cum and fine						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365921

No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
Aggregate @ 0.57 cem machine mixed concrete laid in layers not exceeding 15 cm-thick well compacted in foundation and plinth including coast of all materials labour tools & machinery curing complete as per specifications. Qty same as Item no (2) of this MB. vide page no: 365917					Qty: 49.50 cem @ 4501=00	Rs 2,22,799=50

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	providing and laying in position RCC of design mix m20 with opc cement @ 320 kgs with 20 mm and down size graded granite metal coarse aggregate @ 0.878 cum and fine aggregate @ 0.459 cum with super plastisizer @ 3 lts confirming to IS 9103-1999 reinforced ~~with~~ ready mixed concrete laid in layers not exceeding 150 mm thick vibrated ~~for~~ all works in foundation plinth and ground floor level ~~for~~ raft slabs stair cases lintel retaining wall return wall, walls including attached plaster columns piers abutments pillars ports struts buttresses string or facing courses parapets coping bed blocks anchor blocks						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365922

No. .....
Name of Work .....
Name of Contractor of nature of Agency ..... From..... To.....
Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
Thin windows cills fillets etc including cost of all materials labours Item of machinery cleaning complete as per specifications. Qty Same vide Item no (5) of this MB. vide Page no: 365918					Qty: 94.47 m³ Rs 5916-00	Rs 5,58,885-00
Providing TMT steel reinforcement for RCC work including straightening bending hooking placing in position lapping and/or welding where required tying with binding wire and anchoring to the adjoining members complete as per design. Cost of materials labours						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Item of machinery complete as per specification.						
	ditto same vide Item no (4) of this MB vide page no: 3659						8/1
						qty: 61.43 qm	
						@ Rs 7742-00	Rs 4,75,591-00
(6)	providing and removing centring shuttering strutting propping de- and removal of form work for vertical surface such as walls at any thickness including attached pilasters buttresses plinth and string courses cost of all materials labour etc complete.						
	ditto same vide Item no (5) of this MB vide page no: 3659						9
						qty: 719.76 m²	
						@ Rs 285/-	Rs 2,05,131-00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

365923

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Providing 10cm thick granite Slabs of selected Quality roughly dressed and fixed in cm 1:6 including fixing cuttings etc Complete						
Covering slabs	1	29.60	0.90	–	26.64m²	
	1	30.00	0.90	–	27.00	
	1	7.15	0.90	–	6.44	
	2	30.00	0.90	–	54.00	
	1	2.00	0.90	–	1.80	
	1	30.00	0.90	–	27.00	
	1	6.10	0.90	–	5.49	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C & Fc	12	30.00	0.80	—	54.00 m²	
		12	22.30	0.90	—	20.07 m²	
		12	21.50	0.80	—	19.35 m²	
		12	26.40	0.80	—	23.76 m²	
		12	4.95	0.80	—	4.46 m²	
						270.00 m²	
	(8) providing one line Dressing to granite stone masonry as per specification ali same vide Item no (7) of this BOQ vide Page no: 365923/1					@ Rs 608=00 ali = 270.00 m² @ Rs 460=00	Rs 1,64,160=00 Rs 1,24,200=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

365924

Book No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
providing chamfering edges to stone slabs 2.5cms wide as per Specifications						
1: Total length of the Drain = 297 amt. ∴ no of slabs: $\frac{297}{0.60}$ = 495 nos						
	495 nos	3.20 mt	——	——	=	1584 mts
				adj limited to	——	= 1428 mt
					Rs 30=00	Rs 42840=00
Providing and laying Pre-cast cement concrete Kerb stones made out of CC 1:2:4 with top bottom widths 114 & 165mm respectively 400mm high and 450mm in length finished with CM 1:3 plastering and finishing						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	cutting including formwork curing including cost of all materials labour hire charges of machinery loading unloading lead and lift transportation etc complete.						
	L = Total length of Drain =		297 mm / 0.60		=	660 nos 7 nos	
						667 nos	
			Rs 280/=				Rs 186,760/=
(11)	Providing and applying ready mix priming coat over Concrete masonry / asbestos cement sheet / plastered surface including preparing the surface after thoroughly clean						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

365925

No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
of oil grease dirt and other foreign matter and sand prepanng including cost of materials labour complete as per specifications.						
	667 Nos	x 0.45	x 0.45	—	135.00 m²	
				Ch 15/-		Rs 3375=00
Painting and applying first painting with ready mix paint in two coats on new Concrete/asbestos cement sheet/plaster Surface after brushing to give an even shade after preparing the surface cleaning oil dirt dust other						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	foreign matter and sand preparing including cost of all materials labour etc complete						
	as per schedule Item No (11) of this MB vide Page No 365925					alg = 135.000 m²	
						@ 47.20	Rs 6345.40
	Certificate					Total Rs 20,94,927.66	
(1)	Certified that the contractor has done the work satisfactorily and						
(2)	certified that the contractor has removed all debris from site						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365926

No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

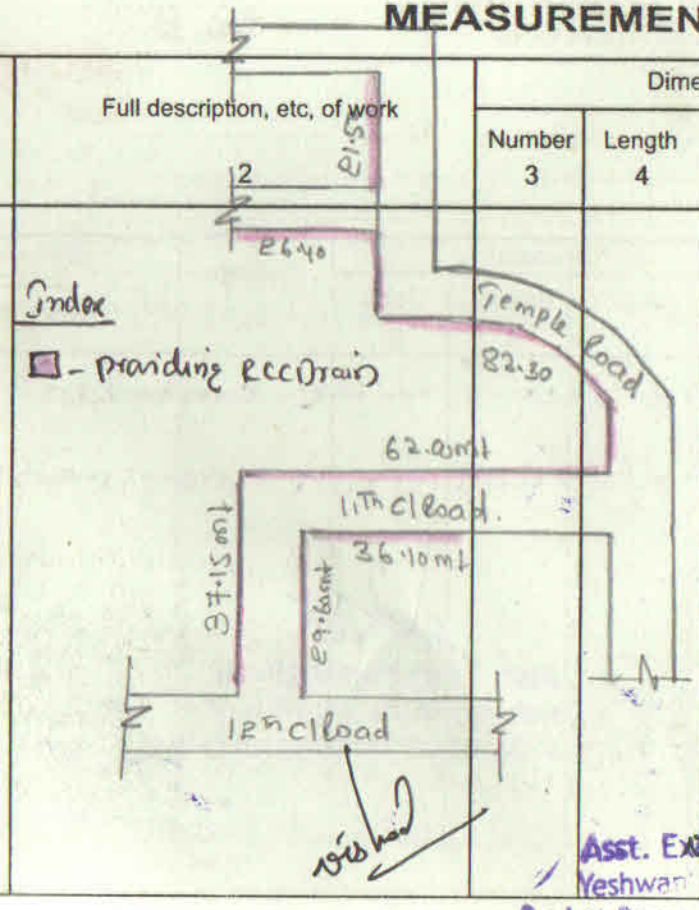
Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Certified that there is no deviation from the contract Certified that the contract is running with arrangements for men and materials.						

31/05

Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



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- praiding RCC Drain

Asst. Executive Engineer
Yeshwan Division
Bruhat Bangal... Mahanagara Palike

BR-NO-155/31.05.14

M. A. R. 57 (Rule 116)

Measurement Book

No. B

365927

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	-3	4	5	6	7	8
Bill Amt Rs:- 20,94,927=00						
IT - 22,206=00						
KST: 83,797=00						
LSO - 1,25,696=00						
Cess - 20,949=00						
SWF - 2,100=00						
Royalty - 23,496=00						
Fine - 5,000=00						
Adj :- 2,83,244=00						
Net pay:- 18,11,683=00						

Audited and admitted for Rs. 20,94,927=00

Passed by Cheque for Rs. 18,11,683=00

(Eighteen Lakhs eleven thousand Six hundred eighty three only.)

by adjustment 2,83,244=00

for K. Govindaraju

Accounts Superintendent

Rajarajeshwari Nagar Division, BBMP

Exe. Engineer